HIKVISION EUROPE

Monthly External Technical Newsletter

CONTENTS

New Firmware / Software Release Product Change / FAQ / Tool Chart Technical Video Update

May 2020

HIKVISION EUROPE | All Rights Reserved.



- New Firmware / Software Release
- E3 Platform WiFi IPC Camera V5.5.98
- G1 Platform IPC Camera V5.6.5
- GO Plaform IPC Camera V5.5.88
- G1 Platform IP Fisheye Camera V5.4.52
- E7 Platform IPC Camera V5.5.114
- H5 Platform IPC Camera V5.5.121
- 2nd generation of DeepinMind NVR V4.22.110
- <u>MinMoe FR Temperature Measurement Access Control</u>
 Terminals V2.2.6
- Hik-Connect V4.4.0 (IOS & Andriod)
- Product Change Notification
- DS-2CD6825G0'C-IXX Series IP Camera
- DS-2CE5AXXT Series Analog Camera
- DS-2DE3AX04IW-DE'(W) Series PTZ Camera
- DS-2AE41/42/72 Series HD TVI Analog PTZ Camera
- DS-2CD10XX, DS-2CD30X1G0-I Series IP Camera
- FAQ / Tool Chart / Technical Video Update
- 2020 Q2 CE DOC Document Update



HIKVISIO

E3 Platform Wi-Fi IPC Camera V5.5.98

The latest firmware version of E3 Platform Wi-Fi IP Camera V5.5.98 build200420 has been released.

HIKVISION

Compatible Models

For E3 Platform DS-2CD2XX1, 2XX7, 3XX3 Series Camera.

Improved Features

1. Newly release (D) models:

DS-2CD2021G1-I(D)W(D)

DS-2CD2021G1-IDW1(D)

DS-2CD2121G0-IW(S)(D)

Wi-Fi camera with (D) model only support adding to Hik-Connect via wired network, not support adding to Hik-Connect via wireless network.

2. Support unbind Hik-Connect via SADP.

The device initiates an unbind application to the server, require device has been bound and keep online.



For more details please refer to the release note.

Location

You can find the firmware and release note on Portal:

http://www.hikvisioneurope.com/portal/?dir=portal/Technical%20Materials/00%20%20Network%20Camera/00%20%20Product%20Firmware/E3%20platform%282X23G0-IW2%20Wi-

Fi%2C1X23G0%2C2X21G0%2C2X27G3E%29/V5.5.98%20build200420

G1 Platform IP Camera V5.6.5

The latest firmware version of G1 Platform IP Camera V5.6.5 build200316 has been released.

Compatible Models

For G1 Platform DS-2CDS-2CD2XXX, 3XXX, 67XX Series Camera.

New Features

1. Newly release (D) models:

DS-2CD2523G0-IW(S)(D)

DS-2CD2525FWD-IWS(D)

DS-2CD2543G0-IW(S)(D)

DS-2CD2545FWD-IW(S)(D)

DS-2CD2555FWD-IWS(D)

DS-2CD2563G0-IW(S)(D)

Camera with (D) model only support adding to Hik-Connect via wired network, not support adding to Hik-Connect via wireless network.

For more details please refer to the release note.

Location

You can find the firmware and release note on Portal:

http://www.hikvisioneurope.com/portal/?dir=portal/Technical%20Materials/00%20%20Network%20Camera/00%20%20Product%20Firmware/G1%20platform%20%28H.265%20DS-

2CD2XX5%2C2XX3%2C3XX3%2C3XX5%2CXM67X6%29/2XX5%202XX3%203XX5%203XX3%20XM67X6

%28non-Fisheye%29%20Multilanguage/V5.6.5%20build200316





GO Platform IPC Camera V5.5.88

The latest firmware version of GO Platform IP Camera V5.5.88 build200317 has been released.

Compatible Models

For GO Platform DS-2CD1X43GO, DS-2CD1X53GO, DS-2X41G1-IDW, DS-2X51G1-IDW, DS-2CD2X47G3E, DS-2CD2047G1, DS-2CD3X41GO Series Camera.



New Features

1. Newly release (D) models which only support adding to Hik-Connect via wired network, not support adding to Hik-Connect via wireless network.

For more details please refer to the release note.

Location

You can find the firmware and release note on Portal:

http://www.hikvisioneurope.com/portal/?dir=portal/Technical%20Materials/00%20%20Network%20Camera/00%20%20Product%20Firmware/G0%20platform%281X43G0%201X53G0%202X47G3E%202X4%2751G1-IDW1%272%29/V5.8.87%20build200103

G1 Platform IP Fisheye Camera V5.4.52

The latest firmware version of G1 Platform IP Fisheye Camera V5.4.52 build200416 has been released.

Compatible Models

For G1 Platform DS-2CD29X5FWD-I(S), DS-2CD3935FWD-I(S) Series Fisheye Camera.

New Features

1. Hik-Connect multi-screen display function: Device newly supports software decoding on Hik-Connect.

For more details please refer to the release note.

Location

You can find the firmware and release note on Portal:

http://www.hikvisioneurope.com/portal/?dir=portal/Technical%20Materials/00%20%20Network%20Camera/00%20%20Product%20Firmware/61%20platform%20%28H.265%20DS-

2CD2XX5%2C2XX3%2C3XX3%2C3XX5%2CXM67X6%29/29X5Fisheye%20MultiLanguage/V5.4.52_Build200416



E7 Platform IPC Camera V5.5.114

The latest firmware version of E7 Platform IP Camera V5.5.114 build 200417 has been released.

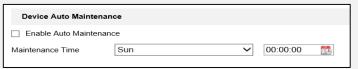
Compatible Models

For E7 Platform DS-2CD1X43G0E-I, DS-2CD1XX7G0-I Series Camera.

HIKVISION HIKVISION em tart available

New Features

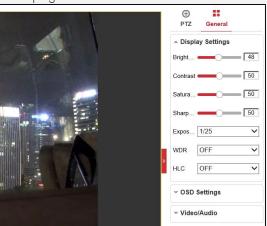
Newly support Device Auto Maintenance, on System
 —Maintenance page, and supports automatic restart
 at a specific time point, with a weekly cycle, only available
 for Admin account;



2. Newly support Domain Name Settings, on Network--TCP / IP page, which requires the device to enable DHCP;



- 3. Newly support Ukrainian, choose the language on login page;
- Newly support quick configuration of image on Live View page.





Optimization

1. Improve Wi-Fi transmission performance and increase transmission distance. For more details please refer to the release note.

Location

You can find the firmware and release note on Portal:

http://www.hikvisioneurope.com/portal/?dir=portal/Technical%20Materials/00%20%20Network %20Camera/00%20%20Product%20Firmware/E7%20platform%20%281X43G0E%29/V5.5.114_Buil d200417



H5 Platform IP Camera V5.5.121

The latest V5.5.121 firmware build 200427 for H5 Platform IP Camera has been released.

Compatible Models

For H5 Platform iDS-2CD7026G0/S, iDS-2CD7146G0/S, iDS-2CD7186G0/S, iDS-2CD7546G0/S, iDS-2CD7586G0/S, iDS-7A46G0/S, iDS-7A86G0/S Series Camera.



New Features

- 1. Support iDS-2CD7026G0/S, iDS-2CD7146G0/S, iDS-2CD7186G0/S, iDS-2CD7546G0/S, iDS-2CD7586G0/S, iDS-7A46G0/S, iDS-7A86G0/S now smart events, queue management, safe hat detection are supported.
- 2. Special characters of overseas license plate support Russian license plate, German license plate, and other special characters not supported are displayed with #.
- 3. Overseas ANPR baseline cameras support area 'Europe Region' and Country/Region settings default as 'General'.

Note: Adjust the zoom ratio of the camera so that the size of the vehicle in the image					
Total Number of Lanes	1	~			
Region	Europe Region	~			
Country/Region	General	~			
Select Mode	Entrance/Exit	~			
Detection mode	License Plate & Vehicle	~			

- 4. The overseas ANPR models supports Detection mode: Vehicle Priority and License Plate & Vehicle. Default is the License Plate & Vehicle mode. The mix-traffic mode only supports Vehicle Priority mode.
 - 1) In License Plate & Vehicle mode, it will adjust to recognize license plate first or vehicle first according to the scene. In some scenes it might be too dark to recognize a vehicle's scale and this mode can deal with it. In the normal scenes, this mode can recognize the vehicle' scale first then recognize the license plate.
 - 2) In Vehicle Priority mode, it will always recognize the vehicle's scale first, then recognize the license plate. This mode can effectively avoid the wrong recognition of non-vehicle targets, such as somebody holds a license plate in his hands to access the E&E.
- 5. The overseas ANPR models' Day/Night switch now supports Trigger by Video mode and default is the Trigger by Video mode. In trigger by video mode, The exposure mode is automatic, the gain is released and adjusted manually, and other parameters are consistent with day/night switching Auto.

Difference between Auto:

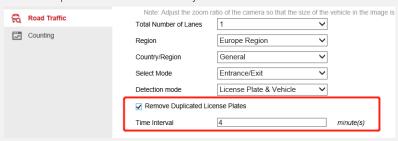
- 1) Auto mode is more used for general monitoring and emphasizes color effect, so it will switch to night very late and back to day very early. However, trigger by video mode is required to switch to night earlier, turn on light supplement and turn off light supplement later to adapt to license plate capture, so as to avoid license plate not being grasped in the case of not very bright in the evening and in the morning.
- 2) In auto mode, the gain is not released. In trigger by video mode, the gain is released to adjust and suppress the overexposure of lights and license plates.

^ Day/Night Switch		
Day/Night Switch	Triggered by Video	~
Sensitivity	4	~
Filtering Time	0	5
Smart Supplement Light	ON	~
Mode	Auto	~



H5 Platform IP Camera V5.5.121

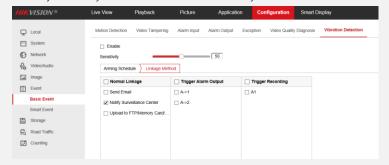
- 6. The detection and identification area of overseas ANPR camera is changed to the full picture, instead of automatically framing a small detection area according to the lane line, which does not affect the user interface configuration, but only affects the algorithm layer.
- 7. Overseas ANPR camera now support Remove Duplicate License Plates enable. The time can be configured and it is enabled by default.
 - 1) Under the enable brand, add time range configuration, 1-5min, 4min by default. After enable, the same license plate will be filtered out for a period of time and will not be recognized. This solves the problem that when some vehicles pass through the entrance, the front and rear of the vehicle are photographed twice in a row.
 - 2) Since the same license plate filtering algorithm can only cache 8 license plates at most, if there are more than 8 license plates in the time period, the 8 license plates shall prevail and the time period is not accuracy.



Now Overseas ANPR cameras will display the real-time ANPR result in the Smart Display web interface.



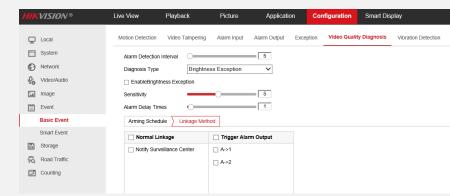
- 9. Vehicle Detection now supports brand, type, color recognize.
- 10. 70 and 7A series now support Vibration Detection and is not enabled by default. The sensitivity is 50 by default. It will alarm only when it is knocked hard.



11. Now supports Video Quality Diagnosis. The Alarm reporting interval is the result of Alarm Detection Interval multiply the Alarm Delay Times.



H5 Platform IP Camera V5.5.121



- 12. Dynamic License ROI, Dynamic Face ROI and Face Detection have been removed since their bad performance.
- 13. In Smart Event, If the event snapshot is not configured, upload a 2MP background picture effective in both FTP and Surveillance Center. If the event snapshot is configured, upload one 2MP background picture and pictures which the resolution, pieces as user has configured before in FTP. Only one 2MP background picture will be uploaded when selected Notify Surveillance Center.
- 14. The HTTP Listening is renamed to Alarm Server.



For more details please refer to the release note.

Location

You can find the firmware and release note on Portal:

http://www.hikvisioneurope.com/portal/?dir=portal/Technical%20Materials/00%20%20Network %20Camera/00%20%20Product%20Firmware/H7%20Platform%28iDS-

2CD7XXX%29/V5.5.121 Build200427



2nd generation of DeepinMind NVR V4.22.110

The latest firmware version of 2nd generation of DeepinMind NVR V4.22.110 build200108 has been released.

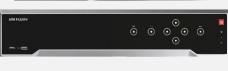
Compatible Models

iDS-9600NXI-I, iDS-7700NXI-I4, iDS-6700NXI-I Series NVR.

New Features

- 1. New feature Video Structuralization (Multi-Target-Type Detection).
 - 1) [GUI] Configuration: Go to Smart Analysis > Engine Settings > Engine Configuration and switch the engine mode.
 - 2) Then go to Smart Analysis > Smart Event Settings > Video Structuralization and click the Enable Multi-Target-Type Detection and configure Arming schedule, Linkage action if they are needed.
 - 3) Video Structuralization also support the face comparison at the same time. Go to Smart Event Settings > Facial Recognition > Face Picture Comparison and click Enable Face Picture Comparison with the face Librarys needed. (Face capture settings CANNOT be configured in GUI with Video Structuralization engine on).
 - 4) Then go to the Live View, the Multi-Target-Type Detection information will be displayed at right side Target Detection Area with face comparison result if it is configured.
 - 5) The Multi-Target-Type Detection also supports the vehicle detection's Blacklist and Whitelist function at same time.
 - 6) [WEB] Configuration: Go to Configuration > System > VCA Configuration > Engine Configuration and click Mode > Video Structuralization Real-Time and Save.
 - 7) Go to Configuration > VCA > Multi-Target-Type Detection and click Enable AI by Device then save.
 - 8) The configuration on the GUI and WEB both effect and only need to be configured once.
- 2. Video Structuralization shows the gender, age group, clothes color, riding or not, wearing baggage or not, with glasses or not of the human target. It also shows the vehicle Brand, color, type of the vehicle.
- 3. New feature Search by Picture is now added in the Face Picture Library. Some new searching filters added and batch import tool optimized.
- 4. Optimize the GUI's typeface.
- 5. [GUI] Playback interface now add Custom Search.
- 6. [GUI] Smart analysis playback now support continuous play.
- 7. [GUI] File Management now add Search by Picture.
- 8. Now can use the protocol of ISUP (EHOME 5.0) to register with the platform actively. The platform supports the creation, modification, query and deletion of face library to the NVR. Support ISUP platform to distribute channel parameters (IO, PTZ, video parameters, event parameters, etc.) of NVR through ISAPI protocol.
 - 1) Support the alarm event upload to the platform.
 - 2) Search by Pictures in the face capture library on the platform.
 - 3) 1v1 Picture comparison on the platform.
- 9. [web] Now Face Capture has new settings:
 - 1) Capture Threshold (default 0) and Image quality.
 - 2) The face capture background pictures will be scaled into 1080p and save.







2nd generation of DeepinMind NVR V4.22.110

- 10. New feature Client Face Recognition Check-in: Check-in Search, Attendance Search.
 1) Attendance Search requires iVMS-4200 version above 3.2.0.104.
 2) Configuration: Go to Data Retrieval > Face Recognition Check-in. The effect is as follows
 3) Click Export Segment to export the report in excel formation.
- 11. [GUI] The GUI changes The Smart Events settings were placed at System > Event > Smart Event. Now every Smart Events' connecting settings and functions are placed at Smart Analysis.

For more details please refer to the release note.

Location

You can find the firmware and release note on Portal:

http://www.hikvisioneurope.com/portal/?dir=portal/Technical%20Materials/02%20%20NVR/00%20%20Product%20Firmware/01%20DeepinMind%20NVR/2nd%20Generation%20DeepinMind/1%20iDS-9600_7700NXI%20%28B%29/4.22.110 (For 96, 77)

http://www.hikvisioneurope.com/portal/?dir=portal%2FTechnical%20Materials%2F02%20%20NVR%2F00%20%20Product%20Firmware%2F01%20DeepinMind%20NVR%2F2nd%20Generation%20DeepinMind%2F3%20iDS-6700NXI%20%28B%29 [For 67]

MinMoe FR Temperature Measurement Access Control Terminals V2.2.6

The latest firmware version of MinMoe FR Temperature Measurement Access Control Terminals V2.2.6 build200527 has been released.

Compatible Models

DS-K1T671TM-3XF_DS-K5604_DS-K5671 FR terminals with temperature measurement.

New Features

- 1. Add 9 languages: Spanish, French, German, Italian, Portuguese, Polish, Russian, Thai, Arabic.
- 1. Add manual temperature measurement calibration function.

Modified function-face terminal

- 1. Optimize temperature measurement module millisecond calibration to improve the accuracy of temperature measurement
- 2. Optimize the remote verification process
- 3. Optimize the upload process of ezviz pictures
- 4. Optimize the high temperature location selection scheme
- 5. Optimize the selection of forehead temperature measurement at different distances
- 6. The highest temperature is taken after the face authentication times out
- 7. Modify the audio volume

New Features

- 1. Optimize real-time frame rate problem, support 25fps
- 2. The pseudo color mode is changed to iron red, and the OSD overlay information is removed
- 3. Solve the problem of upgrade failure and module hanging

For more details please refer to the release note.

Location

You can find the firmware and release note on Portal:

http://www.hikvisioneurope.com/portal/?dir=portal/Technical%20Materials/17%20%20Back%20to%20Business/02%20Minmoe/Firmware/DS-K1T671TM-3XF DS-K5604 DS-K5671





Hik-Connect V4.4.0 (Android & iOS)

The latest Hik-Connect version V4.2.0 for Android and iOS has already been released

New Features

1. Supports more functions of Axiom Hybrid security control panel. Supports 4 ARC.

(Relay) Supports selecting multiple event subtypes as the linkage event if you select alarm as the linked event.

(Relay) Supports selecting multiple zones if you select zone as the linked event.

(Relay) Supports enabling continuous output.

(Siren) Supports selecting multiple zones if you select zone as the siren type.

(Siren) Supports selecting multiple areas if you select alarm as the siren type

(Keyfob and Keypad) Supports enabling silent panic alarm.

Supports setting trigger type for key zone.

Supports switching language of the panel.

Supports locking up the panel.

- 2. Supports sharing Hik-Connect by QR code.
- Supports configuring network for network cameras that do not support accessing Hik-Connect platform.
- 4. Supports vandal-resistant door station (model: DS-KB8113-IME1).
- 5. Supports setting the display language of the Mobile Client to Ukrainian.
- 6. Supports displaying more access control events in the logs of the access control device, including:

M1 Card Encryption Enabled

M1 Card Encryption Disabled

Opening Door via NFC Card Enabled

Opening Door via NFC Card Disabled

Authenticated via PIN

M1 Card Encryption Verification Failed

Optimization

1. Optimized the device sharing procedures.

When user B scans the QR code of a device, if the device has been added by user A, user A will receive an application from user B for sharing the device. Once user A approves the application, user B will be allowed to use the device.

When user A shares a device to user B, a QR code will be generated. If the user B scans the QR code, user A will receive an application on her/his Mobile Client. After user A approves the application, user B will be allowed to use the device.



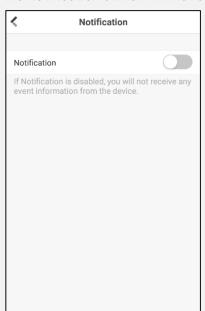


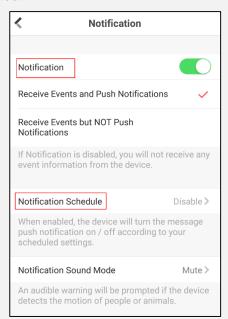




Hik-Connect V4.4.0 (Android & iOS)

- 2. Optimized the device adding mechanism in visitor mode. Since this version, EZVIZ devices are NOT allowed to be added to the Mobile Client (only Hikvision devices allowed) in visitor mode. If the user tries adding an EZVIZ device to the Mobile Client in visitor mode, a prompt will pop up to remind the user to register a Hik-Connect account instead of using the visitor account.
- Optimized the notification settings page of the network camera.
 If the Notification switch is turned off, the Notification Schedule switch and other items will be hidden; however, no matter the Notification Schedule is turned on or not, the status of the Notification switch will not be affected.





For more details please refer to the Released Notes.

Location

For IOS: App Store

For Android:

- 1. Access to the domain directly: https://www.me-app.net/HikvisionAppStore
- 2. Enter Support-Tools-Hikvision App Store Through the official website https://appstore.hikvision.com
- 3. Scans the app download QR code in the equipment packaging box / QSG/ local GUI of the device.



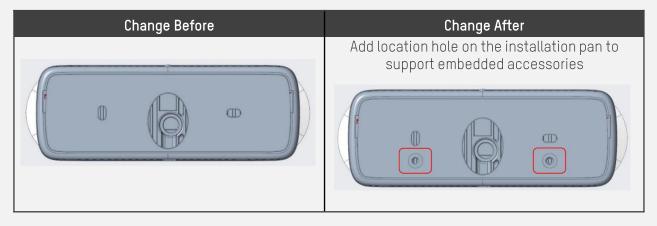
DS-2CD6825G0'C-IXX Series IP Camera

Reason of Change

Upgrade the installation pan components.

Description of Change

Cancel physical CD.

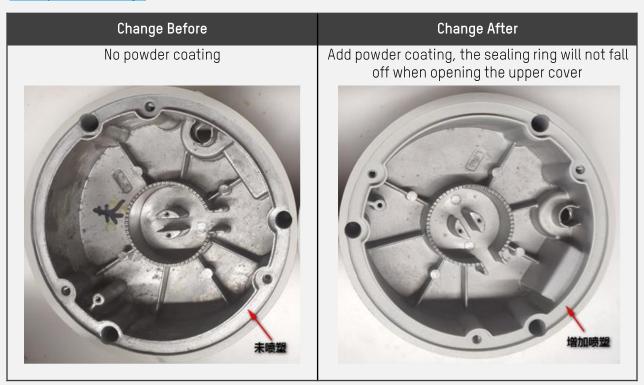


DS-2CE5AXXT Series Analog Camera

Reason of Change

Appearance upgrade change of camera back cover.

Description of Change





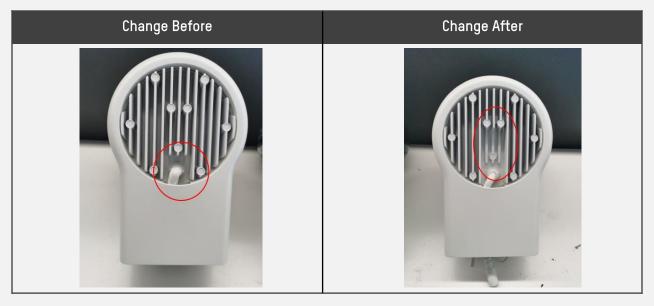
DS-2DE3AX04IW-DE'(W) Series PTZ Camera

Reason of Change

Improve the convenience of installation.

Description of Change

Optimize the structure of top cover to improve the convenience of installation.



DS-2AE41/42/72 Series HD TVI Analog PTZ Camera

Reason of Change

The label parameters are matched with the adapter, and the format is unified as voltage/current format.

Description of Change

The label parameters are matched with the adapter, and the format is unified as voltage/current format.

Change Before	Change After	
Parameter format is voltage and power. For example: AC The first line of the fuselage label parameters: AC 24V,30W MAX DC The first line of the fuselage label parameters: DC12V,12W MAX	Parameter format is voltage and current. For example: AC The first line of the fuselage label parameters: 24V ~ 2.2A,50/60Hz DC The first line of the fuselage label parameters: 12VI 2.0A	

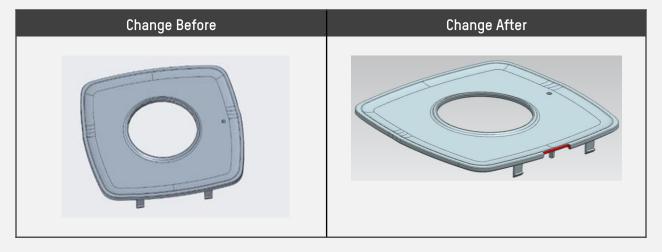


DS-2CD10XX, DS-2CD30X1G0-I Series IP Camera

Reason of Change

Add drain groove on the infrared cover of Bullet 39 to improve waterproofing.

Description of Change





CE DOC Documents update on Portal

Туре	Order Name	File Name	Download Link
IPC	DS-2CD2T26G2- 2I	DOC Network Camera DS- 2CD2T26G2-2I	
IPC	DS-2CD2T26G2- 4I	DOC Network Camera DS- 2CD2T26G2-4I	
IPC	DS-2CD2T46G2- 2I	DOC Network Camera DS- 2CD2T46G2-2I	
IPC	DS-2CD2T46G2- 4I	DOC Network Camera DS- 2CD2T46G2-4I	
IPC	DS-2CD2026G2-I	DOC Network Camera DS- 2CD2026G2-I	
IPC	DS-2CD2026G2- IU	DOC Network Camera DS- 2CD2026G2-IU	
IPC	DS-2CD2046G2-I	DOC Network Camera DS- 2CD2046G2-I	
IPC	DS-2CD2046G2-I	DOC Network Camera DS- 2CD2046G2-I	
IPC	DS-2CD2126G2-I	DOC Network Camera DS- 2CD2126G2-I	
IPC	DS-2CD2126G2- ISU	DOC Network Camera DS- 2CD2126G2-ISU	
IPC	DS-2CD2146G2-I	DOC Network Camera DS- 2CD2146G2-I	http://www.hikvisioneurope.
IPC	DS-2CD2146G2- ISU	DOC Network Camera DS- 2CD2146G2-ISU	<pre>com/portal/?dir=portal/Tech nical%20Materials/00%20%2</pre>
IPC	DS-2CD2326G2-I	DOC Network Camera DS- 2CD2326G2-I	<u>ONetwork%20Camera/03%20</u> <u>%20Product%20Certifications</u>
IPC	DS-2CD2326G2- IU	DOC Network Camera DS- 2CD2326G2-IU	/DS-2CD2xxx/DOC
IPC	DS-2CD2346G2-I	DOC Network Camera DS- 2CD2346G2-I	
IPC	DS-2CD2346G2- IU(2.8mm)	DOC Network Camera DS- 2CD2346G2-IU(2.8mm)	
IPC	DS-2CD2626G2- IZS	DOC Network Camera DS- 2CD2626G2-IZS	
IPC	DS- 2CD2626G2T-IZS	DOC Network Camera DS- 2CD2626G2T-IZS	
IPC	DS-2CD2646G2- IZS	DOC Network Camera DS- 2CD2646G2-IZS	
IPC	DS- 2CD2646G2T-IZS	DOC Network Camera DS- 2CD2646G2T-IZS	
IPC	DS-2CD2726G2- IZS	DOC Network Camera DS- 2CD2726G2-IZS	
IPC	DS- 2CD2726G2T-IZS	DOC Network Camera DS- 2CD2726G2T-IZS	
IPC	DS-2CD2746G2- IZS	DOC Network Camera DS- 2CD2746G2-IZS	
IPC	DS- 2CD2746G2T-IZS	DOC Network Camera DS- 2CD2746G2T-IZS	